

Message

From: Nordine, John [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6F082FB004BA4D818FE3276686C84C63-JNORDINE]
Sent: 11/1/2016 8:58:15 PM
To: Gerry Ruopp [gerry.ruopp@centralwire.com]
CC: jack thorsen [jack.thorsen@sbcglobal.net]; Robert Johnson [robert.johnson@centralwire.com]; Bob Kay [rtkay@usgs.gov]
Subject: RE: Questions on Sept. 2016 Monthly Progress Report for the Techalloy Site in Union, Illinois

Hi Gerry,

EPA concurs with your response to the EPA comments. Thanks.

Respectfully,

John Nordine, CPG, LPG
 U.S. EPA, Region 5
 RCRA Corrective Action Section
 77 W. Jackson Blvd. LU-9J
 Chicago, Illinois 60604

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"The great end of education is to discipline rather than finish the mind; to train it to use of its own powers rather than to fill it with the accumulation of others." Tryon Edwards

"Don't interfere with anything in the Constitution. That must be maintained, for it is the only safeguard of our liberties." Abraham Lincoln

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From: Gerry Ruopp [mailto:gerry.ruopp@centralwire.com]
Sent: Friday, October 28, 2016 2:48 PM
To: Nordine, John <nordine.john@epa.gov>
Cc: jack thorsen <jack.thorsen@sbcglobal.net>; Robert Johnson <robert.johnson@centralwire.com>; Bob Kay <rtkay@usgs.gov>; Gerry Ruopp <gerry.ruopp@centralwire.com>
Subject: Questions on Sept. 2016 Monthly Progress Report for the Techalloy Site in Union, Illinois

John --

Below are the answers to your questions on the Sept 2016 Monthly Progress Report.

Regards,

Gerry Ruopp

From: Nordine, John [<mailto:nordine.john@epa.gov>]
Sent: Wednesday, October 26, 2016 10:03 AM
To: Gerry Ruopp <gerry.ruopp@centralwire.com>
Cc: rtkay@usgs.gov; Jack Thorsen <jack@autumnwoodesh.com>
Subject: Sept. 2016 Monthly Progress Report for the Techalloy Site in Union, Illinois

Mr. Ruopp

EPA's review of the Sept. 2016 Monthly Progress Report for the Techalloy Site in Union, Illinois dated Oct. 15, 2016. My comments are below. Please respond to them.

Progress Made: further information on the shutdown of the extraction well is needed. Which well was shut down? What were the dates of the shut down? Is the well currently operating?

On 9/26/2013 in a routine visit to the treatment/control building, Mr. Johnson noticed that there had been a power outage. When the power was restored, both well pumps are set to automatically start up. The pump for EW 1 did not start. Mr. Johnson noticed EW 1 was not running and restarted the pump. He estimates that the power was out for four days. He checks that building every Monday when he takes the hour meter readings at Central Sod.

Again, measurements made at the start and end of the water-level data collection period should be provided and the total change in water level over the course of the month measured by the tape should be compared to that measured by the transducer. This comparison allows for detection of incorrect measurements due to drift in the transducer, slippage, etc. above and beyond the single check described in this report.

The depth to water measured from the top of the well casing was 6.75 feet in DGW-2I on September 1, 2016; therefore, there nominally was 23.59 feet of water above the data logger. The last data logger reading on September 1 at 1124 hours was 23.590 feet, the same as the manual measurement.

The depth to water measured from the top of the well casing was 7.25 feet in DGW-2I on October 3, 2016; therefore, there nominally was 23.09 feet of water above the data logger (30.34 ft. [depth of data logger] - 7.25 ft. [water level below top of casing]). The last data logger reading on October 3 at 1200 hours also indicated there were 23.09 feet of water above the data logger (see entry 3074 on Table 2), the same as the manual measurement.

The net change in water level from September 1, 2016 to October 3, 2016 was - 0.50 ft., i.e., the depth to water was greater on October 3 than September 1.

Provide the altitude of any reference point being surveyed at DGW-2I. Can Autumnwood confirm a survey was done for this well and provided the value for the altitude of the reference point for this well?

The DGW wells were constructed in January 2010. When Matrix Environmental, Inc (Matrix) developed the wells, the bridge over the South Branch of the Kishwaukee River on Illinois Route 176 just east of the DGW-2 wells had just been rebuilt. Matrix personnel contacted the Illinois Department of Transportation to determine if they had any temporary benchmarks on or near the bridge. They did have temporary benchmarks on the west end of the bridge and provided it to Matrix. That temporary benchmark was used to determine the elevation of the three DGW-2 wells using a laser level. Matrix determined the USGS elevation of DGW-2I was 821.27 ft. above mean sea level.

What asphalt cap was re-sealed?

See the highlighted area on the attached figure for the location of the RCRA cap.

Summary of Validated Data and Results: not a big deal for this document, but the location of the GP points presented in the figure for this document do not reflect the actual sampling locations. Subsequent documents should show the correct locations for GP31, -32, and -33.

Will do.

Upcoming Events: some mention of when Techalloy plans to rehabilitate extraction well 2 should be provided. Central Wire has been working with Metropolitan Well and Pump and Heritage Environmental Services to determine how the surge blocking project for EW 2 can be done cost effectively. Central Wire has a quote from Metropolitan Well and Pump and is working with Heritage to finalize the equipment so a quote can be prepared. Central Wire expects to do the work this year, but the owners plowed the field and with the recent rains, access may be difficult.

Sincerely,

John Nordine